



THE ROCKEFELLER UNIVERSITY

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November 20, 1989

JOSHUA LEDERBERG

PRESIDENT

Dr. Alan J. Wolfe and
Dr. Howard C. Berg
Department of Cellular and
Developmental Biology
Harvard University
Cambridge, Massachusetts 02138

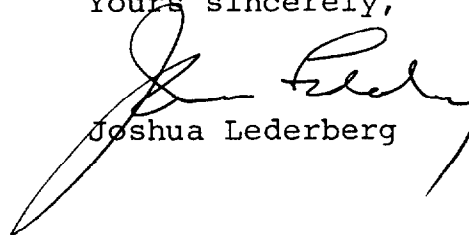
Dear Drs. Wolfe and Berg:

I enjoyed your paper on agar motility in PNAS
November 1989.

Did you know that swarming selects against F+
in E. coli (see enclosure)?

I would be amused to learn -- an experiment
you could readily do by the same protocols -- which
modality of swarm behavior is influenced by the F+
factor (presumably the pili).

Yours sincerely,



Joshua Lederberg

Encl. P67

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① ✓ 11/22/89